

# WIPP Quarterly Review

## April 10, 2003



### Activities Update for NMED's RCRA Permits Program

#### 1. Ongoing Permitting Process

- NMED received additional permit modification notifications from DOE/WTs
  - January 23, 2003 - Class 1 (change the WTS President and General Manager name)
  - January 28, 2003 - Class 1 (relocation of fire alarm control system)
  - February 7, 2003 - Class 1 (correct Figure B1-1 [DAC]; correct inconsistencies regarding headspace gas sampling for thermally treated waste)
- Drum Age Criteria (**DAC**) Class 3 modification request
  - NMED issued revised permit on January 30, 2003
  - NMED provided notice to Permittees of issuance on February 6, 2003
  - Revised permit included all Class 1 notifications received through January 28, 2003
- Remote-Handled TRU Waste Class 3 modification request
  - NMED issued Notice of Deficiency (**NOD**) comments on March 5, 2003
  - Permittees have 60 days to respond (due May 6, 2003)
- Electronic Data Management Class 3 modification
  - NMED will issue NOD in May 2003
- Closure Plan Amendment (Design Change) Class 3 modification request
  - NMED will coordinate with EPA ORIA on review of panel closure design
- Extension of time to close Panel 1 Class 1\* modification request
  - Approved modification with changes on December 26, 2002
  - Citizen groups asked NMED Secretary Ron Curry to deny modification in request dated January 22, 2003
  - Secretary Curry determined that modification had been properly granted in letter dated January 27, 2003
- Change in operational control Class 1\* modification request
  - Received February 28, 2003
  - No agency action taken yet to approve or deny
  - See Notice of Violation description below under "Compliance Issues"
- Other reports/notifications received
  - Notification of intent to commence closure of Panel 1, February 4, 2003
  - Notification of Panel 3 mining, February 7, 2003
  - Submittal of 2003 annual update to Facility Work Plan, February 19, 2003
  - Planned closure schedule for Panel 1, March 11, 2003
  - Semiannual Groundwater Monitoring Report (Round 15), March 20, 2003

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## 2. RCRA-related Audits

- Hanford Recertification, June 24-28, 2002
  - Issued approval letter February 25, 2003
- INEEL Recertification, August 5-9, 2002
  - Issued approval letter February 25, 2003
- LANL Recertification, August 26-30, 2002
  - Issued approval letter January 30, 2003
- ANL-E/CCP audit, September 9-13, 2002
  - See ANL-E/CCP audit, February 10-14, 2003
- NTS/CCP audit, September 23-27, 2002
  - Received corrections to audit report on January 24, 2003
  - Issued approval letter February 18, 2003
- RFETS new VE, PCB, tank sludge sampling, October 1-4, 2002
  - Issued approval letter March 21, 2003
- SRS Recertification, October 22-25, 2002
  - Issued approval letter April 9, 2003
- LANL new HSG, October 29-31, 2002
  - Issued approval letter January 31, 2003
- RFETS polymerized organic sampling, Bldg 371 HSG, November 19-20, 2002
  - Received audit report January 21, 2003
  - Issued approval letter March 21, 2003
- ANL-E/CCP Solids and CAR verification, February 10-14, 2003
  - NMED observed audit
  - Received audit report March 6, 2003
  - Audit report also included activities observed at September 9-13, 2002 audit
  - Currently under review
- RFETS Recertification, March 3-7, 2003
  - NMED observed audit
  - Steve Zappe reviewed RTR videotapes of containers with classified information
  - NMED submitted two observer inquiry forms (limitation of TIC evaluation, use of CLP data validation guidelines for data usability assessments)
  - Awaiting audit report and response to inquiry
- Upcoming audits
  - INEEL Labs and Sampling Process, May 19-23, 2003
  - Hanford Recertification, June 16-20, 2003
  - Advanced Mixed Waste Treatment Facility (**AMWTF**), June 23-27, 2003
  - RFETS Solids Sampling, July 8-11, 2003
  - LANL Recertification, August 25-29, 2003
  - NTS/CCP Recertification, September 22-26, 2003
  - SRS Recertification, October 20-24, 2003
  - RFETS Recertification, March 2004

### 3. Compliance issues

- Notice of Violation (**NOV**) issued to WTS, February 19, 2003
  - Identified failure by M&O contractor to file disclosure required by NM Hazardous Waste Act
  - Also identified failure to file Class 1\* permit modification request reflecting change in operational control when new contract was awarded by DOE to WTS in December 2000
  - NOV included appropriate disclosure forms for WTS to complete and return
  - Secretary Curry subsequently rescinded NOV on February 19, 2003
  - NMED received completed disclosure forms in four submittals from WTS (February 28; March 10; March 17; and March 20, 2003)
  - NMED received Class 1\* permit modification request (change in operational control), February 28, 2003

### 4. Other activities

- Meetings/presentations
  - NAS WIPP Committee meeting in Santa Fe, January 28, 2003; Steve Zappe presented "Response to NAS Questions for NMED", "Waste Characterization at New Mexico's Commercial Hazardous Waste Disposal Facility", and "NMED Concerns About Using Historical Headspace Gas Data to Argue for Reduced Sampling"
  - Site Specific Advisory Boards TRU Waste Workshop in Carlsbad, January 30 – February 1, 2003; Steve Zappe represented NMED
  - Tour of LANL TRU waste management facilities with Northern New Mexico Citizen Advisory Board, February 20, 2003; Steve Zappe attending
  - Observation of final waste emplacement in Panel 1, March 12, 2003; Phillis Stevens, attending
  - Tour of LANL TRU waste management facilities for NMED, March 24, 2003; Steve Zappe, Kevin Krause, Phillis Stevens from WIPP group attending
- NMED clearance status
  - Steve Holmes received "Q" clearance February 7, 2003
- NMED staffing
  - James Bearzi identified as Hazardous Waste Bureau's single point-of-contact for all WIPP issues in e-mail sent April 3, 2003
  - Phillis Stevens resigned, last day was April 4, 2002

# Quarterly Meeting 4/10/03 Carlsbad

<u>Full Name</u>	<u>Org.</u>	<u>Phone</u>	<u>E-mail</u>
Judie Youngman	EEG	505-828-1003	jyoungman@eeeg.org
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SCOTT B WEBB	EEG	505-828-1003	webb@eeeg.org
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Matthew Silva	EEG	505-828-1003	msilva@eeeg.org
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Russell Patterson	DOE/CBFO	505-234-7457	russ.patterson@wipp.wv
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Jody Plum	CBFO		jody.plum@wipp.wv

WIPP

@ Carlsbad

Quarterly Meeting

4/10/03 Carlsbad

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Jody Plum	CBFO		jody.plum@wipp.wv

Fax to: James Bearzi 505. 428. 2567  
 Matthew Silva 505. 828. 1062  
 Anne Clark 505. 476. 3220  
 Lindsay Lovejoy 505. 827. 5826

**Subject:** Discussions and Actions from the April 10 meeting between DOE and the State of New Mexico on WIPP

**From:** "Nelson, Roger - DOE" <Roger.Nelson@wipp.ws>

**Date:** Thu, 10 Apr 2003 17:07:12 -0600

**To:** "DeLain Clark, Ann" <aclark@state.nm.us>, "Steve Zappe"

<Steve\_Zappe@nmenv.state.nm.us>, "Silva, Matthew - EEG" <msilva@eeg.org>

**CC:** "Lindsay Lovejoy" <llovejoy@ago.state.nm.us>, "Potter, Earl" <epotter@swcp.com>, "Plum, Jody - DOE" <Jody.Plum@wipp.ws>, "Patterson, Russ - DOE" <Russ.Patterson@wipp.ws>, "Bignell, Dale - WRES" <Dale.Bignell@wipp.ws>, "Kehrman, Bob - WRES" <Bob.Kehrman@wipp.ws>, "Watson, Kerry - DOE" <Kerry.Watson@wipp.ws>, "Johnson, Harold - DOE" <Harold.Johnson@wipp.ws>, "Gilbert, Jack - DOE" <Jack.Gilbert@wipp.ws>, "Hurt, Dennis - DOE" <Dennis.Hurt@wipp.ws>, "Pigg, Jim - DOE" <Jim.Pigg@wipp.ws>, "Holland, Ava - DOE" <Ava.Holland@wipp.ws>, "Gadbury, Casey - DOE" <Casey.Gadbury@wipp.ws>

This e-mail attempts to capture the actions that resulted from discussions at the April 10th meeting between the State of New Mexico and WIPP.

1. The Jan. 13-17, 2003 WTS QA audit identified the need to reconcile records requirements of the HWFP for "contiguous storage" with the current on-site system employed by WTS. Ben Walker of EEG remarked that "either the HWFP needs to be modified to allow records storage in the project records storage facility in Carlsbad (if that can even be done considering the specificity of the requirement in the statutes), or the records storage capability at the WIPP site should be upgraded to meet the archive requirements." Action by CBFO was taken to look into the issue, and make recommendations on how to proceed.
2. EEG requested (letter from Don Gray to Cynthia Zvonar, dated 9/11/02) "information on volume of brine removed from exhaust shaft sump since 1/1/02". Action by CBFO was taken to provide the requested information.
3. EEG requested (letter from Matthew Silva to Ines Triay, dated September 5, 2002) "documentation on air samples from TRUPACT #157". CBFO replied in a letter dated January 23, 2002 that all information would be included in the final recovery report from INEEL, and would be shared when the report became available. In the April 10 meeting, EEG requested specifically that the Radiological Air Filter (RAF) samples that formed the basis of DOE's decision to return TRUPACT #157 to INEEL be made available prior to the publishing of the final recovery report from INEEL. Action by CBFO was taken to send the RAF results to EEG.
4. EEG questioned the readiness of the State emergency response and status of training for the shipments from NTS through Albuquerque, planned to begin in summer. Action by NMEMRD was taken to investigate the status of training and readiness along the I-40 corridor and in Bernalillo County.
5. The NM Attorney General's Office questioned the specificity of protocol in the HWFP for returning (similar to the August 25, TRUPACT #157 incident) unacceptable shipments to their site of origin. CBFO requested the NMAGO representative to provide a recommendation where the HWFP should be more specific or proscribed in the conditions for which a shipment to WIPP be returned to its site of origin.

Best Regards,  
Roger Nelson  
US DOE Carlsbad Field Office

**Nelson, Roger - DOE**

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**From:** James Bearzi [james\_bearzi@nmenv.state.nm.us]  
**Sent:** Tuesday, April 08, 2003 9:34 AM  
**To:** jody.plum@wipp.ws  
**Cc:** roger.nelson@wipp.ws; aclark@state.nm.us; msilva@eeg.org; llovejoy@ago.state.nm.us; Ines Triay; Ron Curry; Steve Warren; charles\_lundstrom  
**Subject:** Quarterly Meeting

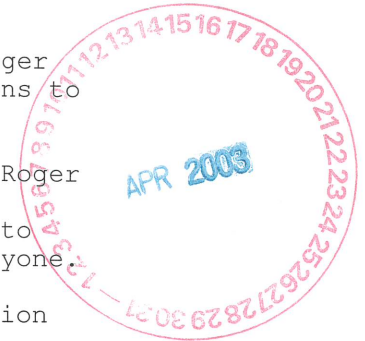
Jody, thanks for your call. Regarding our participation in the Quarterly Meeting on the 10th, we received a revised agenda from Roger yesterday. We have no additions, deletions, or other recommendations to alter the draft agenda in any way.

NMED will not be attending the meeting. We will, however, provide Roger with a copy of our usual presentation that contains an update on permitting, audit activities, and the like for NMED. We'll get it to him electronically today or tomorrow so he can make copies for everyone.

Our absence from this meeting must not be construed as a demonstration of ambivalence toward quarterly meetings. Indeed, NMED strongly supports these meetings, and believes that they must continue to be held on a quarterly basis.

--  
James P. Bearzi  
Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505  
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*Handouts from  
April 10<sup>th</sup>  
Meeting in  
Carlsbad.*



## ENVIRONMENTAL EVALUATION GROUP

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# 82<sup>nd</sup> QUARTERLY MEETING

**U.S. Department of Energy  
Environmental Evaluation Group  
N.M. Energy, Minerals, and Natural Resources  
N.M. Environment Department  
N.M. Attorney General**

**Matthew Silva, Director  
Environmental Evaluation Group**  
<http://www.eeg.org>

**April 10, 2003  
Carlsbad**

# Reviews

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- ☒ **Provided comments to the Region 6 Office of the EPA on the Proposal to Approve the Disposal of PCBs at WIPP (1/23/03)**
- ☒ **Provided preliminary comments to the EPA on the 12/16/02 CBFO notice of proposed change to receive RH TRU, in accordance with 40 CFR 194.4 (b)(3) (2/11/03)**
- ☒ **Provided comments to the CBFO on the Supplement Analysis for Use of the 10-160B Transportation Cask for RH TRU Waste Shipments to the WIPP (2/20/03)**

# Audits

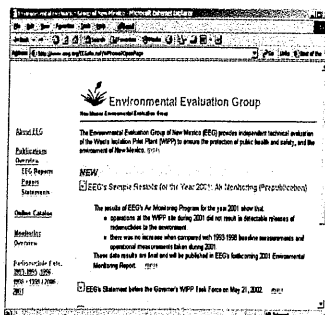
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- ☒ Jan 13-17: WTS QA audit, Carlsbad, NM (B. Walker)
- ☒ Jan 27-29: 3100 m<sup>3</sup> Project Close-out surveillance, INEEL, Idaho Falls, ID (S. Webb)
- ☒ Feb 10-12: CBFO surveillance of Office of Program Support, Carlsbad, NM (B. Walker)
- ☒ Feb 24-28: Audit #A-03-08, AMWTF Transportation Certification Audit, INEEL, Idaho Falls, ID (S. Webb)
- ☒ Mar 4-7: CBFO recertification audit of RFETS, Denver, CO (B. Walker)
- ☒ Mar 17-20: WTS audit of underground, WIPP site, Carlsbad, NM (B. Walker)
- ☒ Mar 24-28: Certification Audit (A-03-16) for new NDA System at SRS/CCP, Aiken, SC (S. Webb)

# Activities

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- ☒ Jan 30: Observed inspection of TRUPACT #157, INEEL, (S. Webb)
- ☒ Feb 11-12: Observed Salado Peer Review, Carlsbad, NM (L. Allen, B. Walker)
- ☒ Feb 17: Observed the Salado Conceptual Model Peer Review Closeout, Carlsbad, NM (B. Walker)
- ☒ Mar 3: Seminar, New Mexico Tech, Socorro, NM (G. Anastas)  
  
"Chernobyl, Causes of the Accident and the Environmental Legacy."
- ☒ Mar 12-13: Observed the closing of Panel 1, and readiness of Panel 2, WIPP Site (L. Allen, T. Klein)
- ☒ Periodic EMIG Meetings (T. Klein)

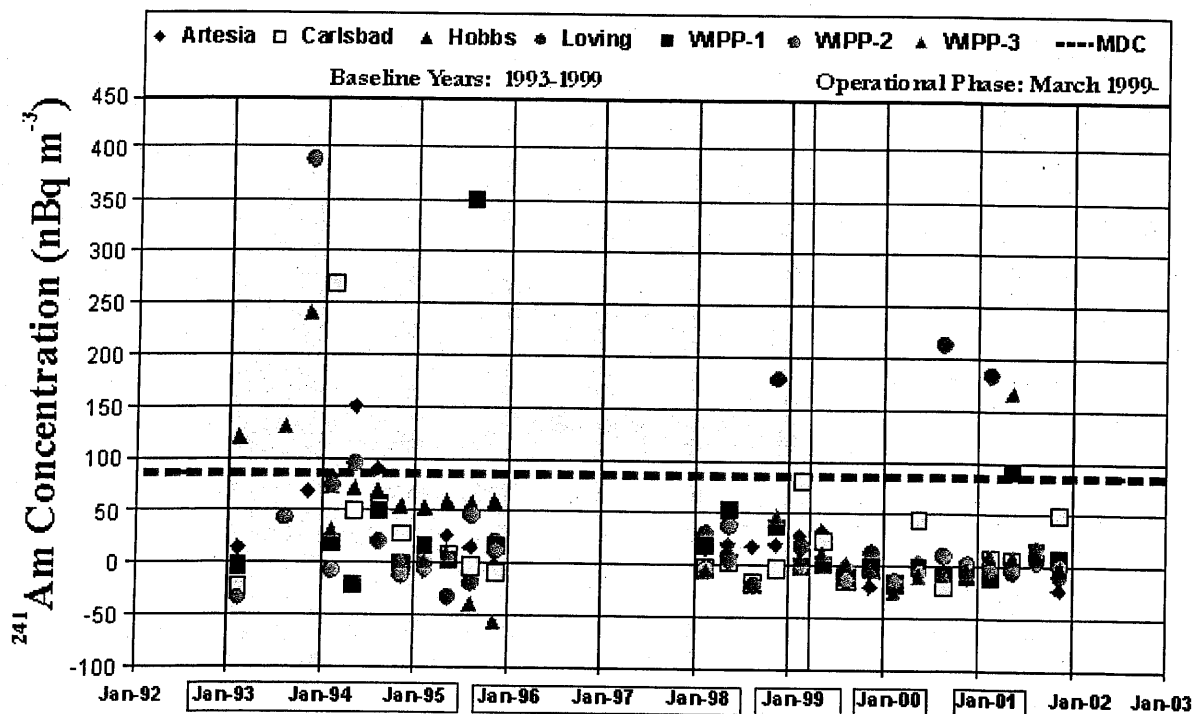


# What's New at [www.eeg.org](http://www.eeg.org)

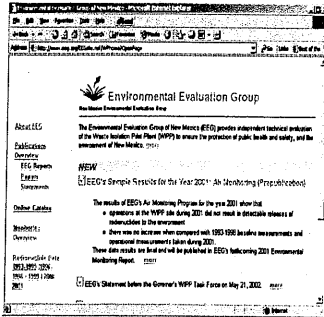
## ✓ 8 Additional EEG Reports available online:

EEG-61, EEG-50, EEG-20, EEG-16,  
EEG-15, EEG-12, EEG10, EEG-5

## ✓ Revised presentation by radionuclide of EEG's Sample Results Jan 1993-Dec 2002:

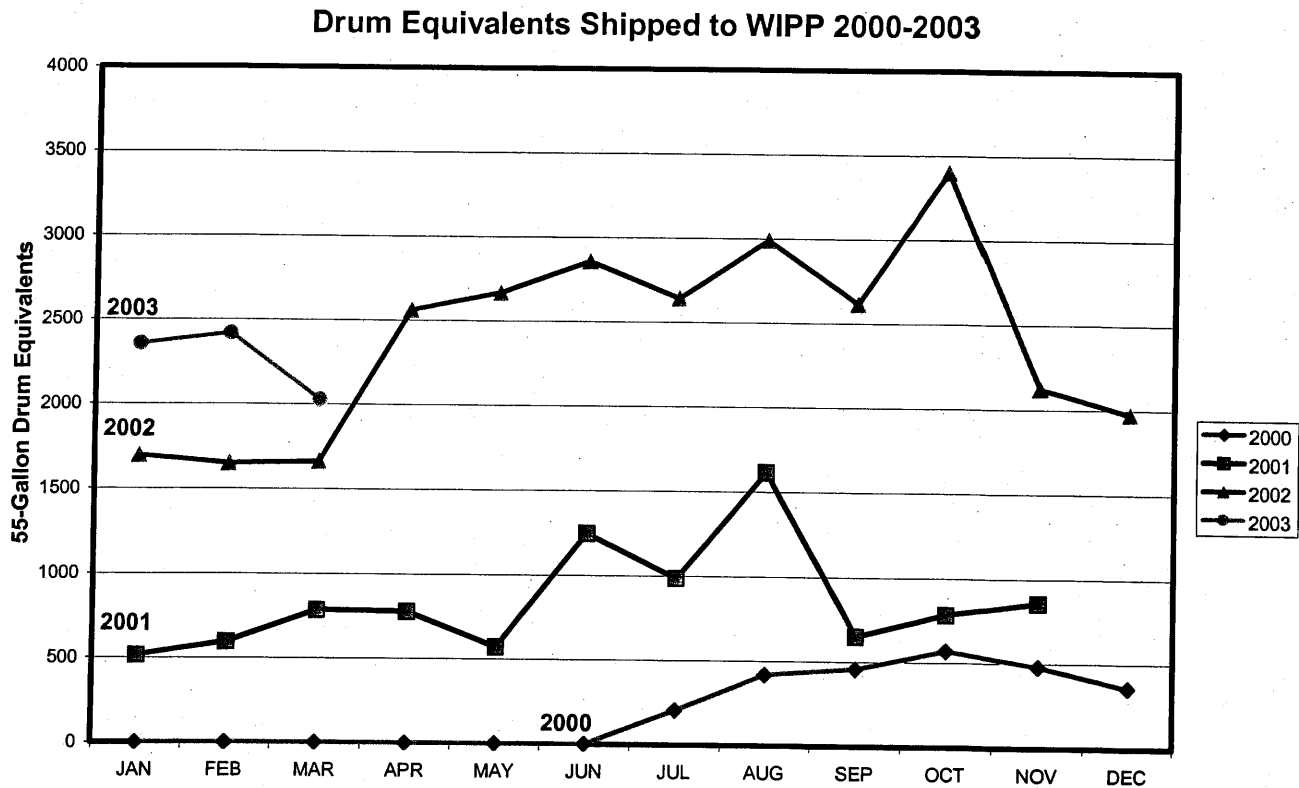


▲ Clickable links to corresponding EEG Report



# What's New at [www.eeg.org](http://www.eeg.org)

- ☒ Revised Shipments Page showing Shipment Comparison by Year



Note: Minor amounts of waste were received between March 1999 and June 2000 when EEG began tracking WIPP shipments on WWIS (WIPP Waste Information System)

- ☒ New EEG Focus Pages:
  - Recertification
  - Audits

# Status of EEG Requests

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<u>Date</u>	<u>Letter From</u>	<u>Letter To</u>	<u>Subject</u>	<u>Status</u>
9/11/02	D. Gray	C. Zvonar	Request for information on volume of brine removed from exhaust shaft sump since 1/1/02	Waiting on DOE response
2/11/03	M.Silva / B. Walker, J. Channell, S. Webb, G. Anastas	I. Triay	09/05/02 TRUPACT #157 information request repeated by EEG in response to DOE 1/23/03 letter	Waiting on DOE Response
2/20/03	M. Silva/ J.Channell	I. Triay	Notified DOE that EA & PSAR are incorrectly using 20 PE-Ci as maximum allowed content of 10-160B cask	Waiting on DOE response
3/11/03	M. Silva/ B. Walker	I. Triay	Request CEMRC analysis of samples taken from TRUPACT #157	Waiting on DOE response
3/28/03	T. Klein	B. Lilly	Request for copy of final close out radiation survey performed for Panel 1 on 3/12-13, 2003	Waiting on DOE Response

# EEG Presentations/Publications

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- ☑ **Jan 27-28: 36<sup>th</sup> Midyear Topical Meeting, Health Physics Society, San Antonio, TX (G. Anastas)**
  - “International Implications of Health Physics Society Initiatives”
  - “SI Units and Homeland Security”
  - “Homeland Defense Equipment Reuse (HDER) Program”
  
- ☑ **Jan 28: NAS/NRC WIPP Committee meeting, Santa Fe, NM (J. Channell)**

“EEG Response to NAS/NRC WIPP Committee December 16, 2002 Questionnaire.”
  
- ☑ **Feb 17: Swedish Nuclear Fuel and Management Company (SKB), Stockholm, Sweden (M. Silva)**

“A Nuclear Waste Repository and the Role of a Technical Review Group”

# EEG Presentations/Publications (continued)

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## ☒ **Feb 25: WM '03, Tucson, AZ**

- “The Second Opening of the Waste Isolation Pilot Plant? Review of Salient Characteristics and Unique Operational Considerations for Remote Handled Transuranic Waste,” Poster Session (G. Anastas, B. Walker)
- “WIPP Recertification – an Environmental Evaluation Group Perspective,” (M. Silva, L. Allen)

## ☒ **Feb 26: Society of Mining Engineers Conference, Cincinnati, OH (L. Allen)**

- “Evaluation of Proposed Panel Closure Modifications at the WIPP”
- “Analysis of Observed Deviations from the Culebra Steady-State Model – WIPP”

# Meetings

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- ☑ Jan 26-29: Radiation Safety Aspects of Homeland Security and Emergency Response, 36<sup>th</sup> Midyear Topical Meeting, San Antonio, TX (G. Anastas)
- ☑ Jan 31: EM Site Specific Advisory Board Transuranic Management Workshop, Carlsbad, NM (M. Silva)
- ☑ Feb 13-15: Technical Review Session for 27<sup>th</sup> Material Research Society Conf. on the Scientific Basis for Nuclear Waste Management to be held in Sweden 6/15-19/03, Palma de Mallorca, Spain (M. Silva)
- ☑ Feb 24-26: 2003 Society of Mining Engineers Annual Meeting and Exhibit, Cincinnati, OH (L. Allen)
- ☑ Feb 24-27: WM'03, Waste Management, Energy Security and a Clean Environment, HLW, TRU, LL/ILW, Mixed Hazardous Wastes and Environmental Management, Tucson, AZ (M. Silva, G. Anastas)

# **Meetings (continued)**

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- ☒ **Mar 12: NRC Package Performance Test Meeting, Las Vegas, NV (J. Channell)**
- ☒ **Mar 20: Exhaust shaft video meeting with DOE, Carlsbad, NM (G. Anastas, T. Klein)**
- ☒ **Mar 27: Briefing by Assessment Panel on proposed Center of Excellence on Hazardous Materials Management, Carlsbad, NM (M. Silva)**
- ☒ **Mar 30 – Apr 2: 2003 International High-Level Radioactive Waste Management Conference, Las Vegas, NV (M. Silva)**
- ☒ **Apr 2-3: Western Governors' Association, WIPP Technical Advisory Group-Transportation meeting, Austin, TX (S. Webb)**

# **Anticipated Activities**

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- ☒ **Forthcoming EEG Reports:**
  - **RH TRU Waste**
  - **Transportation Issues**
  - **Exhaust Air Sampling Issues at WIPP**
  
- ☒ **Comments on the CBFO's Supplement Analysis for Use of the 10- 160B Transportation Cask for RH TRU Waste Shipments to WIPP**
  
- ☒ **Comments on January 2003 WIPP RH TRU Preliminary Safety Analysis Report**
  
- ☒ **Participation in NAS WIPP Committee Meeting, May 19, Washington, DC, (M. Silva and J. Channell)**
  
- ☒ **Review of Course Materials for the Department of Energy's MERRTT (Modular Emergency Response Radiological Transportation Training) course curriculum for New Mexico State Police, Office of Emergency Services and Security**
  
- ☒ **Materials Research Society 2003: Scientific Basis for Waste Management, Kalmar, Sweden, June 15-18, '03. M. Silva chairing session: Geologic Characterization & Modeling; giving invited presentation in Plenary Session titled, "Public Oversight of the WIPP Repository, USA."**

## *DPS/EOC Activities*

- Hired new Administrative Assistant, Roseanne Madrid.
- Provided 2 Hazmat Awareness courses: Grants & Acoma Pueblo.
- Provided MERRTT class in Gallup.
- Provided 2 WIPP presentations: McKinley County LEPC & McKinley County Commission.
- Organized WIPP tour for personnel from Gallup/McKinley County.
- DPS/EOC WIPP Coordinator attended Health Physics Society conference on Radiation Aspects of Homeland Security, Radiological Emergency Response Officer course, and Exercise Development course.
- Gained access to the DOE WWIS.
- DPS/EOC WIPP Coordinator co-taught Introduction to Disaster Exercise class for New Mexico EOC staff and radiological instrumentation training for Gallup Fire Department.
- Provided newly-calibrated Ludlums to Gallup Fire Department, Carlsbad Fire Department, Artesia Fire Department, and Carlsbad Medical Center.
- Conducted equipment and training inventory at Gallup Fire Department.
- Conducted 2 WIPPTRAX preparation exercises/planning meetings in Gallup and attended one in Santa Fe.

## *DPS/MTD Activities*

- CVSA Level VI En-route inspections (radiological & mechanical) conducted at Raton Port of Entry and Loving Inspection site on all WIPP shipments entering state.
  - INEEL - 1
  - HNF - 1
  - RFETS - 97
  - SRS - 41
- 3 violations of Federal Motor Carrier Safety Regulations on 3 WIPP shipments. 2 vehicles were placed Out-of-Service.
- 5 CVSA Level VI pre-trip inspections (radiological & mechanical) conducted at LANL.
- 5 - Ludlum Model 14C, 1 - Ludlum Model 2241, creepers, chock blocks, rulers, flashlights and other inspections tools were purchased for Level VI certified personnel for conducting/supporting inspections of WIPP shipments.
- Attended CVSA Level VI instructors meeting held in Phoenix to revise and edit both the student manual/handouts & instructor manual for the Basic Level VI inspection Course.
- Assisted with the instruction of a CVSA Level VI "Refresher Train the Trainer" Course held for the various states in Phoenix, Arizona
- Conducted CVSA Level VI refresher training as required for inspectors to remain certified.
- Problems: 2-hour notifications to the Raton POE not occurring on a regular basis. Notifications of shipment arrival at the Loving inspection site not occurring on a regular basis.

*Thank You*

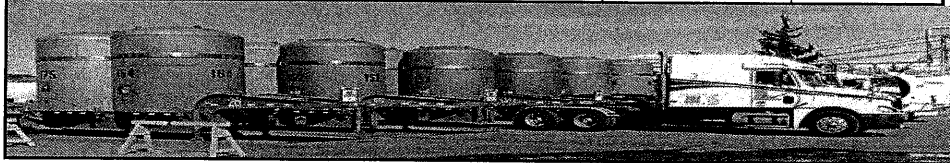


State of New Mexico:

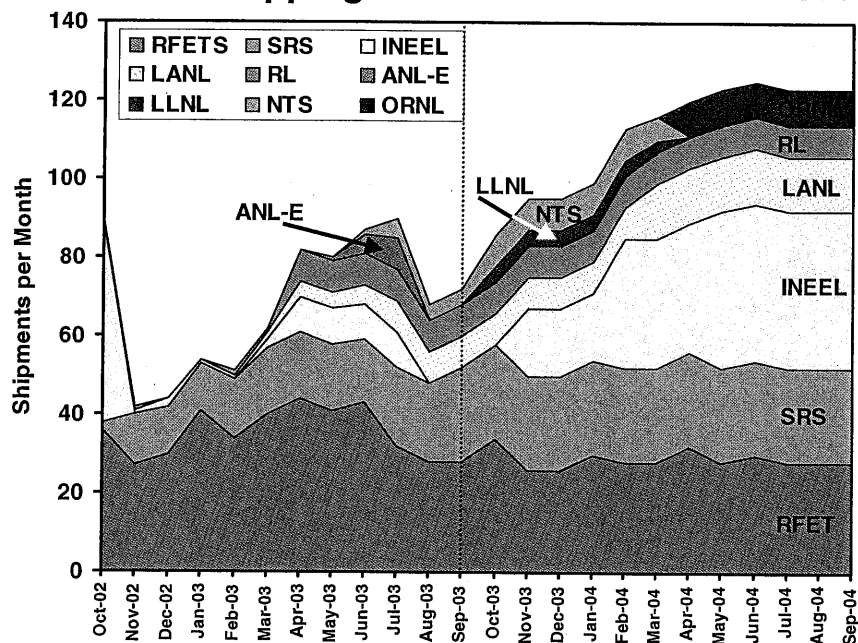
[www.emnrd.state.nm.us/wipp](http://www.emnrd.state.nm.us/wipp)

### WIPP Disposal Totals as of March 24, 2003

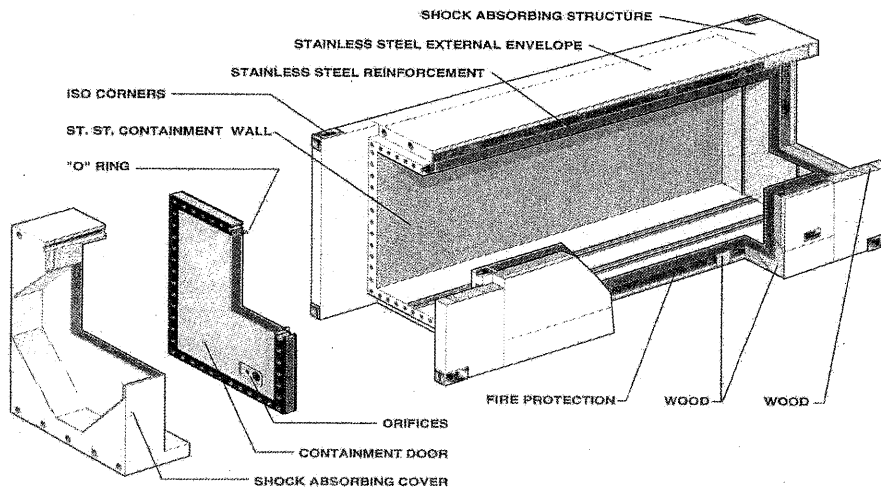
Site	Shipments	TRUPACT's	Containers	Volume
HANF	14	40	551	116
INEEL	565	1224	14553	3267
LANL	34	97	430	336
RFETS	871	1938	21627	6031
SRS	89	267	2422	905
Totals	1573	3566	39583	10655



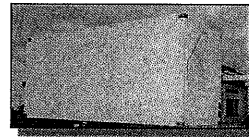
### Baseline Shipping Schedule – Rev. 2 – 3/24/03



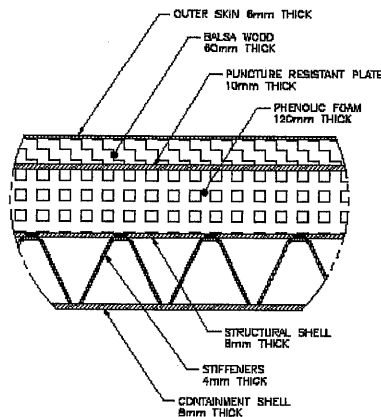
## TRUPACT-III



## TRUPACT III Status & Plans

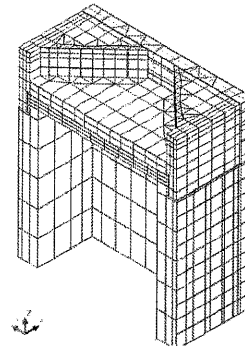
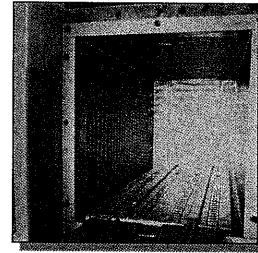


- Single containment Type B, similar to Gemini design concepts, with contract option for double containment
- Primary use on rail because of weight (66k lbs gross)
- For boxes to 5'x5'x8', drums, SWBs, & TDOPs
- Large containers/boxes require new standard over-pack
  - optimize internal cavity for direct loading and
- No changes in characterization requirements or DQOs
- NDA/NDE for boxes requires performance demonstration



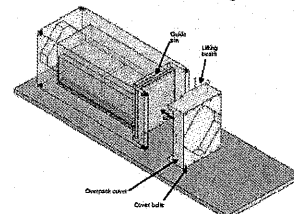
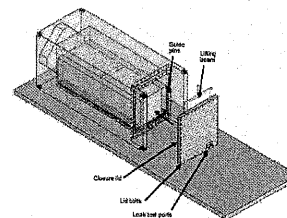
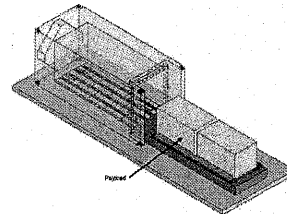
## TRUPACT III Status & Plans

- Testing location undetermined but probably at SNL- Albuquerque
- Supplement Gemini test data with additional testing for worst case
- Half scale tests will be supplemented by Finite Element Analysis to complete the scale-up
- Selected Drops (30ft) performed at -20° F - Puncture tests at ambient T
- Computational analysis only will be used for Fire and Immersion performance



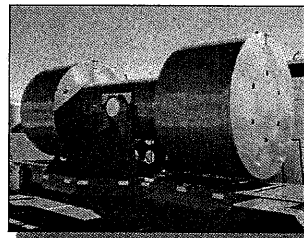
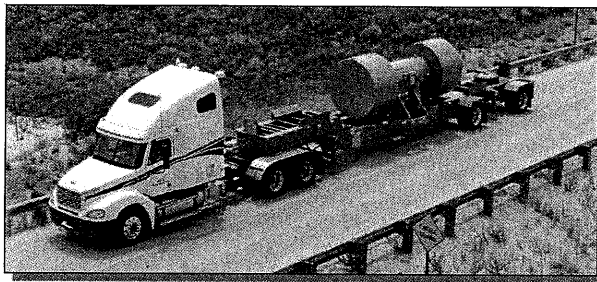
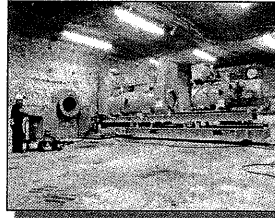
## TRUPACT III Schedule

- Preliminary Design Review – completed – March 5, 2003
- Test Activities – Summer '03
- Complete Final Design – Late Summer '03
- SARP submittal – Fall '03
- NRC approval – 2004
- First unit – 2005



## RH TRU Waste PMR Status and Plans

- Class 3 PMR Submitted June 28, 2002
- NOD received March 5, 2002
- NOD under evaluation
- No decision on response



### Final Audit Reports Awaiting Permit-Related and/or Expedited CAR Closure

RFETS A-03-03 – March 3 – 7, 2003 5 CARs, open

### Audits Awaiting CAR Closure

AMWTP A-03-08 – Feb. 24 – 28, 2003 2 CARs, open

### Regulator Inquiries

RFETS A-03-03 – March 3 – 7, 2003 2 open inquiries

### Final Reports @ NMED & Date

SRS/CCP A-03-01 12/16/02 (Recert Audit)

ANL-E/CCP A-02-03 3/5/03 (Cert Audit)\*

ANL-E/CCP A-03-13 3/5/03 (Cert Audit)\*

## QA Audit Status

### Current and Near-Term Site Assessment Schedule

- INEEL Cert Audit A-03-15 – ~~April 24 – 26~~, 2003 (Lab services) Changed to May 19-22
- AMWTP Program Evaluation - May 5 – 9, 2003
- RFETS Cert Audit A-03-XX – May 27 – 30, 2003
- Hanford Recert Audit A-03-14 – June 16 – 20, 2003 (Plus New NDA Equipment)
- AMWTP Cert Audit A-03-05 – June 23 – 27, 2003 (Initial certification)
- LANL Recert Audit A-03-XX – August 25 – 29, 2003
- NTS/CCP Recert Audit A-03-XX – September 22 – 26, 2003
- SRS/CCP Recert Audit A-04-XX – October 20 – 24, 2003
- RFETS Recert Audit A-04-XX – March 2004

### Last Annual Cert Audit Date

Hanford – June 2002

INEEL – August 2002

LANL – August 2002

ANL-E/CCP – September 2002

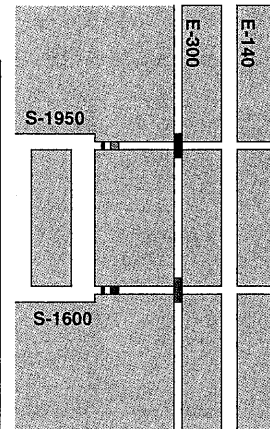
NTS/CCP – September 2002

SRS/CCP – October 2002

RFETS – March 2003

### Panel 1 closure status

Intake drift brattice barrier	<input checked="" type="checkbox"/>	Mar 12
Remove CAM and VOC sampling lines	<input checked="" type="checkbox"/>	Mar 13
Remove exhaust drift bulkhead – Mar 24	<input checked="" type="checkbox"/>	<del>Mar 18</del>
Exhaust drift brattice barrier	<input checked="" type="checkbox"/>	Mar 18
Intake drift keyway mining	<input checked="" type="checkbox"/>	Mar 19
Exhaust drift keyway mining – Apr 4	<input checked="" type="checkbox"/>	<del>Apr 2</del>
Begin isolation wall construction		Apr 18
Complete isolation wall construction		June 27

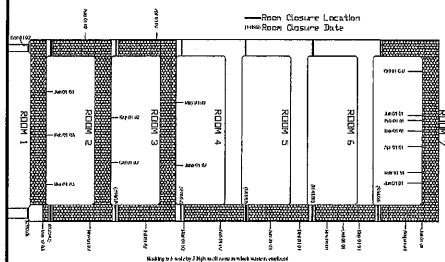


### Panel 1 Inventory:

<b>38,138 drums</b>
<b>2 over-packs (85-gallon)</b>
<b>1239 standard waste boxes</b>
<b>35 ten-drum over-packs</b>
<b>10,496 cubic meters</b>

Nuclide	Curies	Grams
PU-239	152,000	2,416,000
AM-241	120,200	34,630
PU-240	34,290	149,100
PU-238	6,186	358
U-238	7.54	22,170,000
PU-242	3.32	836
U-234	1.57	248
U-233	0.41	42
CS-137	5.08E-04	6.45E-06
SR-90	3.80E-05	2.75E-07
<b>Totals:</b>	<b>3.13E+05</b>	<b>2.48E+07</b>

Material Parameter	Weight (kg)
Iron base metal alloys	479,700
Aluminum base metal/alloys	5,459
Other metal/alloys	46,790
Other inorganic materials	269,100
Cellulosics	693,500
Rubber	8,938
Plastics	151,900
Solidified inorganic material	1,846,000
Solidified organic material	489
Soils	102
<b>TOTAL WASTE MATERIALS</b>	<b>3502000</b>
Steel container materials	2,848,000
Plastic/liners container materials	264,300
<b>TOTAL CONTAINER MATERIALS</b>	<b>312000</b>
<b>Total Weight of all Material in Panel 1</b>	<b>6615000</b>



## Panel 1 Inventory Summary

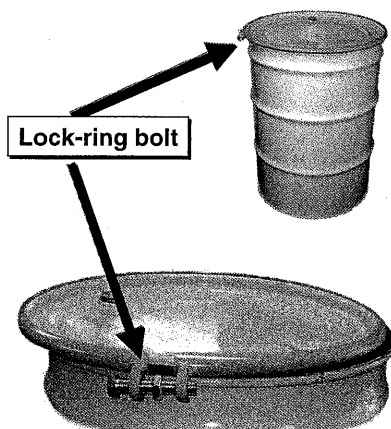
## Total VOC in Headspace Gas of Panel 1

CAS Number	Analyte	Liters	CAS Number	Analyte	Liters
1333-74-0	HYDROGEN *	407.3	75-35-4	1,1-DICHLOROETHYLENE	1.3
74-82-8	METHANE *	64.7	110-82-7	CYCLOHEXANE	1.2
67-56-1	METHANOL	41.1	127-18-4	TETRACHLOROETHYLENE	1.2
71-55-6	1,1,1-TRICHLOROETHANE	34.2	67-66-3	CHLOROFORM	1.1
67-64-1	ACETONE	33.1	75-15-0	CARBON DISULFIDE	1.1
71-36-3	BUTANOL	15.6	95-47-6	O-XYLENE	0.8
108-88-3	TOLUENE	12.8	100-41-4	ETHYL BENZENE	0.8
78-93-3	METHYL ETHYL KETONE	7.3	95-63-6	1,2,4-TRIMETHYLBENZENE	0.5
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLU	6.6	107-06-2	1,2-DICHLOROETHANE	0.5
108-10-1	METHYL ISOBUTYL KETONE	5.8	156-59-2	CIS-1,2-DICHLOROETHYLENE	0.5
79-01-6	TRICHLOROETHYLENE	4.6	108-67-8	1,3,5-TRIMETHYLBENZENE	0.5
75-09-2	METHYLENE CHLORIDE	4.6	108-90-7	CHLOROBENZENE	0.5
56-23-5	CARBON TETRACHLORIDE	3.4	79-34-5	1,1,2,2-TETRACHLOROETHANE	0.5
71-43-2	BENZENE	2.2	75-25-2	BROMOFORM	0.5
108383/106	M,P-XYLENE	1.9	74-87-3	METHYL CHLORIDE	0.2
75-34-3	1,1-DICHLOROETHANE	1.8	156-60-5	TRANS-1,2-DICHLOROETHYLENE	0.0
60-29-7	ETHYL ETHER	1.3	95-36-3	1,2,4-TRIMETHYLBENZENE	0.0
			Total 9 VOC's of Concern		60.3
* not a VOC - Exists only as a gas at STP			Total VOC's		187.5

Perspective:  
Average cow "burps" ~ 280 l/day of methane



## TRUPACT-157 follow up



- TRUPACT-157 opened at INEEL on 01/27/03
- INEEL recovery team found that the lock-ring bolt to one drum in TRUPACT-157 was loose and the lid could be moved by hand
- INEEL over-packed and shipped the recovered waste to WIPP on 2/12/03 (but retained the single problem drum).
- CBFO concludes that cause of the incident was improperly torqued lock-ring bolt
- TRUPACT-157 will be re-assembled and returned to WIPP at a later date

# CRA Status & Plans

- Background:

- Recertification Application is required to be provided to EPA not later than five years after the first receipt of waste and every five years thereafter until closure.
- First receipt of waste was March 26, 1999; however EPA has requested and DOE has agreed to provide the CRA package in November of 2003.
- The CRA is to provide EPA with documentation of WIPP's continued compliance with the disposal regulations pursuant to section 8(f) of the WIPP Land Withdrawal Act (LWA) and 40 CFR 194.11.
- Pursuant to LWA, section 8(f)(2) the EPA Administrator shall determine whether the WIPP facility continues to be in compliance with the regulations. This determination is not subject to rulemaking or judicial review.

# CRA Status & Plans

- Background:
  - The CRA will cover activities and the results of planned and unplanned changes made to the disposal system since the submission of the CCA.
  - The FY03 Annual Change Report will be submitted in November of 2003 to provide documentation for the minor changes of the past year.
  - The CRA will only cover changes approved by EPA and/or NMED.

# CRA Status & Plans

- Status:
  - Review and documentation of past Annual Change Reports - Completed
  - All Monitoring and On-going research data - gathered and documented.
  - FEPs reanalysis – proceeding
  - BRAGFLO Model - peer reviewed and prepared for implementation.
  - Update of TRU Waste Inventory - Completed

# CRA Status & Plans

- Status:
  - Performance Assessment Modeling – Beginning
  - New Transmissivity fields for Culebra - nearing completion.
  - New Spallings Model - being developed.
  - Electronic Library for CRA documentation development – completed.
  - Integrated Project Schedule - Completed

# CRA Status & Plans

- **Plans:**
  - A document will be developed for the public that discusses the content and format of the CRA by November of 2003.
  - DOE plans to submit the CRA to EPA in November of 2003, as requested.
  - Once the CRA is submitted, the EPA must evaluate the completeness of the application pursuant to 40 CFR 194.11, prior to processing the application.
  - The EPA is required to issue a recertification determination not later than six months after notification to DOE that the CRA is complete.

# CRA Status & Plans

- Plans:
  - Once EPA determines the CRA is complete and begins the CRA review process the EPA will publish a notice in the Federal Register and solicit comments on the documentation.
  - The notice will provide a public comment period of at least 30 days.

# CRA Status & Plans

- Summary:
  - DOE plans to submit the CRA documentation to EPA in November of 2003.
  - All activities are on schedule to meet this due date.
  - A document will be available for public education regarding the CRA by November of 2003
  - An opportunity for public involvement in the CRA is provided by the EPA solicitation for comments, after the CRA is submitted.